

EB-178B-1

**CONFIDENTIAL**

20 September 1960

**MEMORANDUM FOR: Office of Logistics/Procurement Division/Contract Branch**

**SUBJECT : Request for Increase in Scope with Additional Funds under Task RR of Contract RD-26 with [redacted]**

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1. It is requested that your office take the appropriate action to amend the scope of Task RR under Contract RD-26 to include the preparation of working drawings and a resume of the major problems anticipated for the fabrication of the Model 2 Air-Fed Incinerator. This additional work is to be performed in accordance with the contractor's proposal attached hereto.

2. Funds in the amount of \$5,830.00 are to be made available to the contractor for an additional three months period of performance. Charges are to be made against Allotment Number 1525-1009-1901.

3. Contract RD-26 is an Agency sterile contract. Task RR is also Agency sterile. The item per se is unclassified. Government interest may be shown. Agency interest in all work and material under the contract and task is classified Secret and may be divulged only on a need-to-know basis to appropriate security approved personnel.

4. Further information concerning this request may be obtained by contacting the project engineer for this program, [redacted] Room 210, West Outbuilding, extension [redacted]

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*A. L. B.*

[redacted]

Chief  
TSD/Engineering Branch

Attachments:

TSD-913-27-1467-61

Proposal dtd 14 Sept. 1960

Distribution:

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APPROVED FOR THE OBLIGATION OF FUNDS:

Research Director

Date

DD/P/TSD/EB/MT

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JUST		2010		
AUTHN RR 13-2				

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In replying please address:



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September 14, 1960

Dear Sir:

In accord with a recent discussion with your technical representative, we are submitting herewith a proposed program directed toward the preparation of working drawings of the Model 2 incinerator; and also of a brief resume of the major problems anticipated, by us, in the construction of the Model 2 incinerator by commercial fabricators and of our recommended solutions.

The experimental air-film-cooled incinerators which had been developed under Task Order No. Z ultimately reached the stage where the requirements of your technical representatives were generally satisfied. The first experimental unit, called the Model 1, Type 1 Prototype Incinerator, was provided to your technical representatives in July, 1959, for further evaluation and demonstration. Although these demonstrations brought forth favorable reactions, selected modifications were subsequently investigated and incorporated into a second experimental incinerator, called the Model 1, Type 2 Prototype Incinerator.

Demonstrations and field tests conducted with the Model 1, Type 2 unit resulted in requests for additional units; consequently, your technical representatives undertook the procurement of four Model 1, Type 2 Prototype Incinerators from a commercial fabricator. To assist in this procurement effort, we undertook, as a part of Task Order No. Z, the preparation of working drawings for the Model 1, Type 2 unit. Subsequently, the drawings

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were prepared, and four units were fabricated by  these  
operated quite satisfactorily in the course of acceptance testing. We feel  
that the success of this procurement effort has demonstrated the advisability  
of preparing a set of suitable working drawings when units of this nature are to  
be manufactured by a commercial fabricator.

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In recent months, under Task Order No. RR, an air-film-cooled  
incinerator has been developed that is quite similar to the Model 1, Type 2  
Prototype Incinerator, but is smaller and has a much reduced burning capacity.  
This unit, called the Model 2, has been demonstrated, and the favorable  
reaction to its performance has resulted in a need for additional units. As  
with the Model 1, Type 2 Prototype Incinerator, it appears that the  
fabrication of additional Model 2 units can be accomplished by a commercial  
fabricator using satisfactory working drawings.

It is recognized that, ideally, additional units would be prepared  
commercially on the basis of detailed specifications and drawings, which would  
provide a basis for commercial fabricators to make accurate bids and, subse-  
quently, to perform the fabrication effort; also, such specifications and  
drawings could be used by your technical representatives to assure the delivery  
of suitable units, with only a minimum of contact between them and the selected  
commercial fabricator. However, the preparation of satisfactory detailed  
specifications and drawings requires considerable time and expense. Also, the  
subsequent operation of the additional units might well indicate desirable  
modifications which might have to be incorporated in such specifications and  
drawings. Consequently, in the interest of economy of time and funds, your  
technical representatives are contemplating the preparation of additional  
Model 2 incinerators by a commercial fabricator on the basis of working drawings.

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In this connection, your technical representative has requested that we consider providing for an effort which would involve the preparation of suitable working drawings of the Model 2 incinerator, and of a brief resume of anticipated fabrication problems and our recommended solutions. A proposed effort directed toward achieving this objective is described in the following.

While such working drawings would be prepared carefully, they would not have the benefit of the large amount of thought and scrutiny that normally is applied in the preparation of detailed specifications and drawings with regard to consideration of the most economical methods of production, thorough specification of all pertinent aspects of fabrication and materials inspection, and means of inspection and the basis for rejection of the manufactured items. Consequently, as with the four commercially fabricated Model 1, Type 2 incinerators, a larger than normal amount of time would have to be expended by your technical representatives and/or by our personnel in maintaining closer general liaison with the selected commercial fabricator, and specifically in providing guidance and assistance to the fabricator at difficult stages of manufacture and during inspection of the different parts. In addition, although very good performance was obtained from the four Model 1, Type 2 incinerators with a minimum of "last minute" adjustments, nevertheless it is considered prudent to allow for some additional time to be expended, after the commercial fabrication is concluded, in connection with minor modification and adjustment of the units, in order to insure proper operation.

As currently contemplated, the proposed effort would be performed by two of our engineering personnel, using the necessary drafting assistance. One of these technical personnel has been closely associated with all of the

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research conducted under Task Orders Nos. 2 and RR, and knows intimately all aspects of the Models 1 and 2 incinerators. The other technical staff member was involved in the preparation of the working drawings for the Model 1, Type 2 incinerator. It is currently planned that the proposed effort would be supervised by an additional member of our technical staff who was responsible for the preparation of the working drawings of the Model 1, Type 2 incinerator and has been responsible previously for the preparation of several sets of detailed specifications and drawings, and of several sets of working drawings for your organization.

Every effort would be made to prepare, expeditiously, an appropriately complete and comprehensive set of working drawings, within the limits of the time and funds provided. On the basis of our general background and specific experience with the working drawings for the Model 1, Type 2 incinerator, it is currently estimated that the preparation of a suitable set of drawings and of an appropriate write-up of anticipated fabrication difficulties would require a concerted effort for approximately one and one-half months.

When the proposed effort was concluded, a reasonable, mutually agreed upon number of copies of these items would be transmitted to your technical representatives; also, a summary letter report would be submitted that described the activity carried on under this program.

It is proposed that the contract provide for a three-month period of activity with an estimated appropriation of \$5,830, including the fixed fee. A general breakdown of the estimated appropriation is attached.

The proposed contract would be a period-basis research agreement, consistent with our current contractual arrangements and providing only for a fixed period of research leading toward the objective outlined above.

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If you should need any additional information, please let us know.

Any inquiries of a contractual nature may be directed to  
at Extension 159.



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Very truly yours,

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Vice President

EES:mlm

In Duplicate

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